

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

January 17, 2018

Robyn Clark Regulatory Manager MacDermid Agricultural Solutions, Inc. 245 Freight Street Waterbury, Connecticut 06702

Subject: Label and CSF Amendment – Voluntary Use Deletion to Remove Various Seed

Treatment Crops from the Label and Add Additional Sources of Active Ingredient

for Two New Alternate CSFs (New Alt. CSF#2 and CSF#3)

Product Name: Belmont 2.7 FS EPA Registration Number: 400-577 Application Date: 01/02/2017 Decision Number: 525283

Dear Ms. Clark:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

This amendment supports the notification of use termination submitted by MacDermid Agricultural Solutions to voluntarily amend the registration of Belmont 2.7 SF to terminate the following uses:

Table 1		
<b>EPA Registration</b>	Use Deletion	
Name and Number		
Belmont 2.7 FS, EPA	Seed Treatment Uses: Canola, mustard seed, rapeseed.	
Registration # 400-577	Cucurbit Vegetables: Chayote (fruit), Chinese waxgourd, citron	
	melon, gherkin, edible gourd (includes hyotan, cucuzza, Chinese	
	okra, and hechima), momordica spp. (includes balsam apple, balsam	
	pear, bitter melon, Chinese cucumber), muskmelon (includes true	
	cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw	
	melon, honeydew melon, honey balls, mango melon, Persian melon,	
	pineapple melon, Santa Claus melon, and snake melon), pumpkin,	
	summer squash (includes crookneck squash, scallop squash,	
	straightneck squash, vegetable marrow, zucchini), winter squash	
	(includes butternut squash, calabaza, hubbard squash), cucumis	
	mixtar, cucumis pepo (includes acorn squash, spaghetti squash),	
	watermelon (includes hybrids and/or varieties of citrullus lanatus).	

Leafy Vegetables: Amaranth (leafy, Chinese spinach \*\*, tampala), cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, fennel (finochio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, and Swiss chard.

Brassica (cole) Head, Stem and Leafy Vegetables: Broccoli (including Chinese and raab), Brussels sprouts, cabbage (including Chinese bok choy, Chinese napa and mustard), cauliflower, cavalo broccoli, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens.

Fruiting Vegetables: Eggplant, groundcherry, pepino, pepper (including bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato.

Onions (dry bulb and green): Root and Tuber Vegetables: Arracacha, arrowroot, artichoke (Chinese and Jerusalem), burdock (edible), canna (edible), cassava (bitter and sweet), celery root, chayote, chervil, chicory, chufa, dasheen, ginger, ginseng, horseradish, leren, parsley (turnip-rooted), parsnip, radish (includes oriental dalkon), rutabaga, salsify (includes black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), yam.

In its letter to the Agency, MacDermid Agricultural Solutions waived the 180-day comment period and opted for a 30-day comment period instead. The Notice of Request to Voluntary Amend to Terminate Uses of the above registration and specified uses was published in the Federal Register on October 3, 2017, and the comment period ended on November 2, 2017. The Agency did not receive any public comment in response to this Notice, nor a written withdrawal of the use deletion from MacDermid Agricultural Solutions.

Pursuant to FIFRA section 6(f) (7 U.S.C. 136d(f), the Agency hereby approves the requested amendment to terminate uses of Belmont 2.7 SF identified in Table 1 above. Accordingly, the Agency orders that the product registration identified in Table 1 above is hereby amended to terminate the affected uses. Any distribution, sale, or use of existing stocks of the subject product in a manner inconsistent with any of the provisions for disposition of existing stocks set forth below will be considered a violation of FIFRA.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. Existing stocks are those stocks of registered pesticide products which are currently in the United States and which were packaged, labeled, and released for shipment prior to the effective date of this action terminating uses. In accordance with the Order to Amend Pesticide Registrations to Terminate Uses published in the Federal Register on December 26, 2017, you may distribute or sell this product under the previously approved labeling until June 26, 2019. Persons other than the registrant may continue

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to sell and/or use existing stocks of products bearing old labeling until such stocks are exhausted, provided that such use is consistent with the terms of the previously approved labeling on, or that accompanied, the product with the terminated use. After June 26, 2019, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling, except for export consistent with FIFRA section 17 or for proper disposal. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

The Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/27/2015
- Alternate CSF 1 dated 11/27/2015
- Alternate CSF 2 dated 03/13/2017
- Alternate CSF 3 dated 03/13/2017

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at howard.marcel@epa.gov.

Sincerely,

Hope Johnson, Product Manager 21 Fungicide Branch Registration Division (7505P) Office of Pesticide Programs

Enclosure

# Belmont<sup>™</sup>-2.7 FS

Seed Treatment Fungicide

for control of seed rot and damping-off diseases of certain crops

ACTIVE INGREDIENT:	% BY WT.
metalaxyl (CAS No. 57837-19-1)	28.98%*
OTHER INGREDIENTS:	<u>71.02%</u>
TOTAL:	100.00%
*Contains 2.65 lbs. metalaxyl per gallon, or 317 grams per liter.	

# KEEP OUT OF REACH OF CHILDREN WARNING • AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See [back][side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use.

Precautionary Statements and Directions for Use.		
FIRST AID		
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
Call a poison control center or doctor immediately for treatment advice.     Have person sip a glass of water if able to swallow.     Do not induce vomiting unless told to by a poison control center or doctor.     Do not give anything to an unconscious person.		
<ul> <li>IF IN EYES:</li> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>		
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA:  1-866-303-6952 or +1-651-603-3432.  FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident)  CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.		
For Product Use Information Call 1-866-761-9397		

 EPA Reg. No. 400-577
 EPA Est. No.:

 xxxxxxxV003
 NET CONTENTS:

[Batch Code will be placed on the container.]

Produced For:
MacDermid Agricultural Solutions, Inc.
c/o ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

ACCEPTED

Jan 17, 2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 400-577

# PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes skin irritation. Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes. Do not get on skin or on clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below.

#### Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants;
- Socks and chemical-resistant footwear:
- Chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber > 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, and/or viton ≥ 14 mils).
- When mixing and loading, and when cleaning equipment, wear a chemical-resistant apron.

NOTE: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

#### User Safety Requirements:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS**

#### Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and change into clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Groundwater Advisory: Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

# **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 hours.** Exception: Once the seeds are planted in soil, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no worker contact with the soil sub-surface or treated seed.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; socks and chemical-resistant footwear; Chemical-resistant gloves; and protective eyewear.

#### PRODUCT INFORMATION

**BELMONT™2.7 FS** is a systemic fungicide seed treatment specifically for control of systemic downy mildews, *Pythium* and *Phytophthora* spp. For control of other soilborne diseases, use in combination with other seed treatment fungicides.

VITAVAX®-34 (carboxin), VITAFLO®-280 (carboxin + thiram), RANCONA® 3.8 FS (ipconazole), RANCONA® SUMMIT (ipconazole + metalaxyl), RANCONA® V 100 PRO FS (ipconazole + carboxin) and RANCONA® V RTU (ipconazole + carboxin + metalaxyl) are compatible with **BELMONT 2.7FS**. Do not use **BELMONT 2.7 FS** in combination with other seed treatment products unless compatibility and safety to the crop has been verified. Do not mix with any pesticide that has a prohibition against tank-mixing. Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

**BELMONT 2.7 FS** may be applied on its own, as water-based slurry, or in combination with other registered seed treatment insecticides and fungicides through standard slurry or mist- type commercial seed treatment equipment.

NOTE: **BELMONT 2.7 FS** is a systemic fungicide with a specific mode of action. **BELMONT 2.7 FS** could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, the company cannot assume liability for crop damage resulting from resistant strains of fungi. Consult your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible **BELMONT 2.7 FS** resistant strains of fungi which may occur.

FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

#### **USE RESTRICTIONS**

- Seed treated commercially or for sale must be dyed an un-natural color using an EPA approved colorant before being sold. When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.
- IN CALIFORNIA: ONLY for use in commercial seed-treatment establishments. NOT allowed for "on-farm" use in California.
- IMPORTANT: MAXIMUM USAGE when applying multiple metalaxyl and mefenoxam containing products to the same crop within the same season: DO NOT apply more than the maximum seasonal total for the active ingredient as stated on the label of the lowest seasonal total on that crop.
- Do not use other metalaxyl or mefenoxam products for control of Pythium in water-seeded rice.
- Do not apply **BELMONT 2.7 FS** to spinach which is destined to be grown in the greenhouse.

#### SEED CONTAINER LABEL REQUIREMENTS

The Federal Seed Act requires that containers containing treated seeds shall be labeled with the following statements:

- This seed has been treated with metalaxyl fungicide.
- Do not use treated seed for feed, food or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with metalaxvl:

- Store treated seed away from food and feedstuffs.
- When opening this bag or loading/pouring the treated seed/seed-pieces, wear long sleeved shirt, long pants, shoes, socks, chemical-resistant gloves.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Do not allow children, pets or livestock to have access to treated seeds.
- Do not use other metalaxyl or mefenoxam products for control of pythium in water-seeded rice.
- Do not apply metalaxyl to spinach which is destined to be grown in the greenhouse.

# **APPLICATION INSTRUCTIONS**

Crop	Application Rate Per 100 lbs of seed	Diseases Controlled
Cotton	0.75 to 1.5 fl oz	Pythium seed rot and
	To deliver 0.0156 - 0.0312 mg ai per seed, apply 0.167 - 0.333 floz of product per 100,000 seeds (Based on average of 4,500 seeds per lb)	damping-off
Soybeans	0.75 to 1.5 fl oz	Pythium damping-off and
	To deliver 0.0251 - 0.0502 mg ai per seed, apply 0.038 - 0.075 floz of product per 140,000 seeds (Based on average of 2,800 seeds per lb)	early season <i>Phytophthora</i>
Peanuts[*]	0.75 fl oz	Pythium seed rot and
[*Not registered for use in California]	To deliver 0.1004 mg ai per seed, apply 1.071 floz of product per 100,000 seeds (Based on average of 700 seeds per lb)	damping-off
Rice[*]	0.75 to 1.5 fl oz	Pythium damping-off
[*Not registered for use in California]	To deliver 0.0037 - 0.0075 mg ai per seed, apply 0.040 - 0.080 fl oz of product per 100,000 seeds (Based on average of 18,800 seeds per lb)	
	Note: Do not use other metalaxyl or mefenoxam containing products in water-seeded rice. Containers or bags containing <b>BELMONT 2.7 FS</b> treated rice must be labeled with this restriction	
Sorghum / milo	0.375 to 0.75 fl oz	Pythium damping-off
Note: Only high quality seed (at least 90% germination) should be treated with <b>BELMONT 2.7 FS</b> .	To deliver 0.0020 - 0.0039 mg ai per seed, apply 0.021 - 0.042 floz of product per 100,000 seeds (Based on average of 18,000 seeds per lb)	
	0.75 to 1.5 fl oz	Systemic downy mildew
	To deliver 0.0039 - 0.0078 mg ai per seed, apply 0.042 - 0.083 fl oz of product per 100,000 seeds (Based on average of 18,000 seeds per lb)	(races susceptible to chemical control, and cultivars which possess sorghum downy mildew resistance)
	1.5 to 3.0 fl oz	Systemic downy mildew
	To deliver 0.0078 - 0.0156 mg ai per seed, apply 0.083 - 0.167 floz of product per 100,000 seeds (Based on average of 18,000 seeds per lb)	(races susceptible to chemical control, and cultivars which do not possess sorghum downy mildew resistance)
Sunflowers	1.5 to 3.0 fl oz	Systemic downy mildew
(oil and confection type)	For oil type: To deliver 0.0201 - 0.0402 mg ai per seed, apply 0.214 - 0.429 fl oz of product per 100,000 seeds (Based on average of 7,000 seeds per lb)	
	For confection type: To deliver 0.0402 - 0.0804 mg ai per seed, apply 0.429 - 0.857 fl oz of product per 100,000 seeds (Based on average of 3,500 seeds per lb)	
Beans (except soybeans):	0.75 fl oz	Pythium seed rot and
Field beans, green beans, chick- peas (garbanzos), kidney beans, lima beans, lupines, navy beans, okra, pole beans, snap beans, string beans, wax beans, and lentils.	To deliver 0.0439 mg ai per seed, apply 0.469 floz of product per 100,000 seeds (Based on average of 1,600 seeds per lb)	damping-off and early season <i>Phytophthora</i>

Сгор	Application Rate Per 100 lbs of seed	
Peas: Black-eyed peas, cowpeas, field peas, garden peas	O.75 fl oz For small size seeds (average of 3,300 seeds per lb): To deliver 0.0213 mg ai per seed, apply 0.227 fl oz of product per 100,000 seeds  Pythium seed rot ar damping-off and ea season Phytophtho	
	For larger size seeds (average of 2,100 seeds per lb): To deliver 0.0338 mg.ai. per seed, apply 0.361 fl oz of product per 100,000 seeds	
	1.5 fl oz	Systemic downy mildew
	For field peas: To deliver 0.0426 mg ai per seed, apply 0.455 fl oz of product per 100,000 seeds (Based on average of 3,300 seeds per lb)	and <i>Pythium</i> damping- off
	For garden peas: To deliver 0.0676 mg ai per seed, apply 0.721 fl oz of product per 100,000 seeds (Based on average of 2,080 seeds per lb)	
Corn,sweet	0.75 fl oz	Pythium damping-off
	To deliver 0.0223 mg ai per seed, apply 0.238 fl oz of product per 100,000 seeds (Based on average of 3,150 seeds per lb)	
	1.5 fl oz	Systemic downy mildew
	To deliver 0.0446 mg ai per seed, apply 0.476 fl oz of product per 100,000 seeds (Based on average of 3,150 seeds per lb)	
Corn, field	0.75 fl oz	Pythium damping-off
	To deliver 0.0419 mg ai per seed, apply 0.446 fl oz of product per 100,000 seeds (Based on average of 1,680 seeds per lb)	
Corn, pop	0.75 fl oz	Pythium damping-off
	To deliver 0.0230 mg ai per seed, apply 0.245 fl oz of product per 100,000 seeds (Based on average of 3,060 seeds per lb)	
Cereal Grains:	0.75 fl oz	Pythium damping-off
Wheat, barley, oats, rye and triticale	For wheat, barley, oats: To deliver 0.0054 mg ai per seed, apply 0.058 floz of product per 100,000 seeds (Based on average of 13,000 seeds per lb)	
	For rye / triticale: To deliver 0.0037 mg ai per seed, apply 0.040 fl oz of product per 100,000 seeds (Based on average of 18,850 seeds per lb)	
Millet	0.75 fl oz	Pythium damping-off
	To deliver 0.0009 mg ai per seed, apply 0.009 fl oz of product per 100,000 seeds (Based on average of 80,000 seeds per lb)	
Buckwheat	0.75 fl oz	Pythium damping-off
	To deliver 0.0054 mg ai per seed, apply 0.058 floz of product per 100,000 seeds (Based on average of 13,000 seeds per lb)	

Сгор	Application Rate Per 100 lb of seed	Diseases Controlled
Cucumber	0.75 fl. oz.	Pythium damping-off
Spinach <sup>1</sup>	0.1 to 0.75 fl oz	Pythium damping-off
<sup>1</sup> Do not apply to spinach seed to be grown in greenhouses. Containers or bags containing <b>BELMONT 2.7 FS</b> –treated spinach seed must be labeled with this restriction.		
Forage Legumes: Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peanuts (for forage), peanut hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch and velvet beans (for forage).	0.75 to 1.5 fl oz	Pythium damping-off and early season Phytophthora
Root and Tuber Vegetables[*]:  Beets (garden and sugar), carrot  [*Not registered for use in California]	0.75 fl oz	Pythium damping-off
Turf Grasses: On golf courses, home lawns, reclamation and erosion control	1.5. fl oz	Pythium damping-off
Forage Grasses	0.75 fl oz	Pythium damping-off

# **SEED TREATMENT DIRECTIONS:**

# USE AT REDUCED RATES IN COMBINATION WITH OTHER FUNGICIDES

**BELMONT 2.7 FS** systemic fungicide seed dressing may be applied at the reduced rates shown in the table below and still provide good Pythium control when used in combination with broad spectrum seed treatment fungicides. Apply as a commercial seed treatment only in combination at EPA registered rates of broad-spectrum seed treatment fungicides for which compatibility and crop safety have been verified. Do not mix with any pesticide that has a prohibition against tank-mixing. **BELMONT 2.7 FS** may be applied on its own or as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment.

Crop	Application Rate Per 100 lb of seed	Diseases Controlled
Cereal Grains Wheat, barley, oats, rye	0.10 to 0.375 fl oz  For wheat, barley, oats: To deliver 0.0007 to 0.0027 mg ai per seed, apply 0.008 to 0.029 fl oz of product per 100,000 seeds (Based on average of 13,000 seeds per lb)  For rye: To deliver 0.0005 to 0.0019 mg ai per seed, apply 0.005 to 0.020 fl oz of product per 100,000 seeds (Based on average of 18,850 seeds per lb)	Seed decay and damping-off caused by <i>Pythium</i>
Corn, field	0.10 to 0.375 fl oz  To deliver 0.0056 to 0.0209 mg ai per seed, apply 0.060 to 0.223 fl oz of product per 100,000 seeds (Based on average of 1,680 seeds per lb.)	Seed decay and damping-off caused by Pythium
Peanuts[*] [*Not registered for use in California]	0.20 to 0.375 fl oz  To deliver 0.0268 - 0.0502 mg ai per seed, apply 0.286 - 0.536 fl oz of product per 100,000 seeds (Based on average of 700 seeds per lb)	Seed decay and damping-off caused by Pythium
Rice[*] [*Not registered for use in California]	0.10 to 0.375 fl oz  To deliver 0.0005 - 0.0019 mg ai per seed, apply 0.005 - 0.020 fl oz of product per 100,000 seeds (Based on average of 18,800 seeds per lb)	Seed decay and damping-off caused by Pythium
Soybeans	0.20 to 0.375 fl oz  To deliver 0.0067 - 0.0126 mg ai per seed, apply 0.10 - 0.19 fl oz of product per 140,000 seeds (Based on average of 2,800 seeds per lb)	Pythium damping- off and early season Phytophthora

Peas	0.20 to 0.375 fl oz  To deliver 0.0059 - 0.0110 mg ai per seed, apply 0.063 - 0.117 fl oz of product per 100,000 seeds (Based on average of 3,200 seeds per lb)	Pythium seed rot and damping-off
Beans (Field, kidney, navy, lentils)	O.20 to 0.375 fl oz  To deliver 0.0117 - 0.0220 mg ai per seed, apply 0.125 - 0.234 fl oz of product per 100,000 seeds (Based on average of 1,600 seeds per lb)	
Sunflowers	0.10 to 0.375 fl oz  To deliver 0.0017 - 0.0064 mg ai per seed, apply 0.018 - 0.068 fl oz of product per 100,000 seeds (Based on average of 5,500 seeds per lb)	Pythium seed rot and damping-off

# SEED TREATMENT DIRECTIONS - FOR EXPORT USE ONLY:

For treatment of the following seed for export only to countries requiring treatment with metalaxyl before importation. The treater is responsible for confirming the acceptability of his treated seed in the country to which he is exporting.

Crop	Application Rate Per 100 lb of seed	Diseases Controlled
Brassica (Cole) Leafy Vegetables	0.75 - 1.5 fl oz	Pythium damping-off
Corn	0.75 - 1.5 fl oz	Pythium damping-off
	3.0 fl oz	Systemic downy mildew and <i>Pythium</i> damping-off
Cucurbit Vegetables	0.75 fl oz	Pythium damping-off
Fruiting Vegetables	0.75 - 1.5 fl oz	Pythium damping-off
Leafy Vegetables	0.75 - 1.5 fl oz	Pythium damping-off
Millet	0.75 - 1.5 fl oz	Pythium damping-off
Γ	2.5 fl oz	Systemic downy mildew and Pythium damping-off
Onions	0.75 - 1.5 fl oz	Pythium damping-off
Peas	3.5 fl oz	Pythium damping-off and early season Phytophthora
Root and Tuber Vegetables	0.75 - 1.5 fl oz	Pythium damping-off
Sorghum	0.75 - 1.5 fl oz	Pythium damping-off
	5.25 fl oz	Systemic downy mildew and Pythium damping-off
Sunflowers	9.0 fl oz	Systemic downy mildew

# TREATED SEED LABELING:

Seed treated in accordance with the Export Use pattern must be labeled as follows:

"FOR EXPORT ONLY - NOT FOR DOMESTIC SALES OR USE".

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool dry location. Do not store in direct hot sunlight. Do not store above 90°F for prolonged periods of time. After prolonged storage in intense cold, allow product to return to approximately 75°F before using.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER HANDLING: Non-refillable container**

Plastic Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if al- lowed by State and local authorities, by burning. If burned, stay out of smoke.

**Triple rinse as follows:** For containers with capacity equal to or less than 5 gallons or 50 pounds: Empty the remaining contents into application equipment or a mix-tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to ¼ of the container volume - and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

For containers with capacities greater than 5 gallons or 50 pounds: Empty the remaining contents into application equipment or a mix-tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to ¼ of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

**Recycling:** Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www. acrecycle.org.

#### Refillable container

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents into application equipment or mix-tank. Add water-at least 2% of the container volume, and (if the treating mixture composition permits it) up to 1/4 of the container volume. Replace and tighten closure. Agitate vigorously or recirculate the rinsate with a pump for at least 2 minutes, ensuring that the rinsate rinses the walls of the container. Empty the rinsate into application equipment or rinsate collection system, for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

### **Warranty and Disclaimer Statement**

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

# **IMPORTANT: READ BEFORE USE**

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond control of Arysta, Arysta makes no claims of guarantees as to germination of carry-over seed.

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